Shark River Slough WY2021

S12s + [S333 + S333N + S355A + S355B + minimum(S356,S335) - S334]

Total Phosphorus (TP) Data Report

Sampling Event Date	TP Concentration (mg/L)									Daily Mean Flow (cfs)													S334 Adjusted Flow (cfs)					Sampling Eventv TP FWMC: S12s + [S333+S333N+S355A&B+ min(S356,S335)-S334]		
	S12A	S12B	S12C	S12D	S333	S333N	S355A	S355B	S356	S12A	S12B	S12C	S12D	S333	S333N	S355A	S355B	S356	S335	min (S356, S335)	S333 + S333N + S355A&B + min(S356,S335)	S334	S333	S333N	S355A	S355B	min(S356, S335)	Sampled Flow (cfs)	Flow (cfs) * TP (mg/L)	Event FWMC (ppb)
10/5/2020	0.007	0.007	0.008	0.009	0.007	0.008			0.005	445	362	452	904	0	0	0	0	401	197	197	197	0	0	0	0	0	197			
10/12/2020	0.006	0.006	0.007	0.008	0.008	0.007			0.005	452	381	490	974	0	0	0	0	423	200	200	200	0	0	0	0	0	200	2497.04	17.22	**6.9**
10/19/2020	0.006	0.005	0.005	0.008	0.008	0.008			0.006	466	392	498	928	1296	0	0	0	400	246	246	1542	0	1296	0	0	0	246			
10/26/2020	0.007	0.005	0.007	0.009	0.009	0.009	0.006	0.008	0.005	597	499	659	1300	0	0	0	0	534	27	27	27	0	0	0	0	0	27	3081.80	23.12	**7.5**
11/2/2020	0.009	0.006	0.005	0.009	0.008	0.009			0.006	0	614	853	1510	0	0	0	0	532	214	214	214	0	0	0	0	0	214			
11/10/2020	0.006	0.004	0.005	0.010	0.009	0.009			0.006	1020	921	1300	2080	0	0	0	0	531	65	65	65	0	0	0	0	0	65	5385.82	37.49	**7.0**
11/16/2020	0.005	0.004	0.004	0.012	0.010	0.011			0.007	1240	1220	1810	2600	78	79	0	0	22	83	22	178	0	78	79	0	0	22			
11/23/2020	0.005	0.005	0.006	0.008	0.007	0.007	0.005	0.007	0.006	1370	1340	1960	2730	97	0	0	0	516	556	516	612	0	97	0	0	0	516	8012.34	50.92	**6.4**
11/30/2020	0.005	0.004	0.004	0.007	0.007	0.007			0.005	1260	1220	1810	2520	96	75	0	0	134	566	134	305	0	96	75	0	0	134			
12/7/2020	0.006	0.005	0.005	0.006	0.006	0.006			0.006	1280	1210	1760	2420	98	76	0	0	211	557	211	385	0	98	76	0	0	211	7054.73	39.36	**5.6**
12/14/2020	0.005	0.004	0.003	0.007	0.005	0.006			0.006	1210	1130	1640	2220	78	63	0	0	0	580	0	142	0	78	63	0	0	0			
12/21/2020	0.004	0.005	0.004	0.006	J	0.007	J	J	0.010	937	881	1320	1900	306	0	0	0	0	469	0	306	300	6	0	0	0	0	5038.00	24.83	**4.9**
12/28/2020	0.004	0.004	0.004	0.006	0.006	0.005			0.009	797	721	1060	1650	454	0	0	0	0	474	0	454	444	10	0	0	0	0			
1/4/2021	0.004	0.004	0.004	0.007	0.007	0.007	0.004	0.006	0.010	682	586	846	1410	550	0	0	0	0	461	0	550	543	7	0	0	0	0	3531.30	18.38	**5.2**
1/11/2021	0.005	0.005	0.003	0.006	0.006	0.006			0.008	543	463	605	1070	1481	0	0	0	0	408	0	1481	291	1190	0	0	0	0			
1/19/2021	0.005	0.005	0.003	0.007	0.006	0.006			0.009	449	377	452	887	1406	3	0	0	0	343	0	1409	276	1131	2	0	0	0	3297.86	18.49	**5.6**
1/25/2021	G	G	G	G	G	G			G	0	396	445	995	37	74	0	0	0	419	0	111	0	37	74	0	0	0			
2/1/2021	0.010		0.006	0.008	0.006	0.008			0.006	0	33	392	830	865	489	0	0	74	398	74	1428	0	865	489	0	0	74	2650.10	18.54	**7.0**
2/8/2021	0.010		0.006	0.006	0.007	0.007			0.005	0	0	384	793	211	524	0	0	265	340	265	1000	0	211	524	0	0	265			
2/15/2021	0.013		0.009	0.008	0.008	0.008	0.005	0.008	0.005	0	0	328	638	711	694	0	0	262	323	262	1666	0	711	694	0	0	262	2632.07	20.60	**7.8**
2/22/2021	0.011		0.009	0.008	0.009	0.009			0.005	0	0	310	600	631	658	0	0	302	263	263	1551	0	631	658	0	0	263			
3/1/2021	0.013			0.008	0.009	0.010			0.005	0	0	87	519	650	669	0	0	265	302	265	1584	0	650	669	0	0	265	2103.01	18.02	**8.6**
3/8/2021	0.014			0.009	0.010	0.010			0.006	0	0	0	520	426	691	0	0	399	246	246	1363	0	426	691	0	0	246			
3/15/2021	0.011			0.008	0.008	0.009	0.006	0.009	0.005	0	0	0	426	594	653	0	0	394	231	231	1478	0	594	653	0	0	231	1904.00	15.19	**8.0**
3/22/2021	0.013			0.006	0.009	0.010			0.005	0	0	0	336	584	729	0	0	396	186	186	1498	0	584	729	0	0	186			
3/29/2021	0.020			0.011	0.011	0.011			0.006	0	0	0	308	441	619	0	0	394	143	143	1204	0	441	619	0	0	143	1511.54	15.91	**10.5**
4/5/2021	0.021			0.012	0.014	0.014			0.006	0	0	0	240	406	567	0	0	266	103	103	1076	0	406	567	0	0	103			
4/12/2021	0.030			0.014	0.014	0.014			0.007	0	0	0	195	484	504	0	0	132	97	97	1085	0	484	504	0	0	97	1279.60	17.24	**13.5**
4/19/2021	0.031			0.016	0.018	0.017			0.005	0	0	0	136	392	482	0	0	133	87	87	962	0	392	482	0	0	87			
4/26/2021	0.031			0.022	0.021	0.017	0.007	0.013	0.005	0	0	0	91	274	483	0	0	127	95	95	852	0	274	483	0	0	95	942.97	16.44	**17.4**
5/3/2021	0.053			0.020	0.020	0.022			0.009	0	0	0	45	140	389	0	0	0	0	0	528	0	140	389	0	0	0			
5/10/2021	0.044			0.032	0.022	0.029	0.014	0.020	0.012	0	0	0	24	0	450	0	0	0	0	0	450	0	0	450	0	0	0	474.47	13.83	**29.2**
5/17/2021	0.053			0.031	0.031	0.030			0.012	0	0	0	9	0	420	0	0	0	0	0	420	0	0	420	0	0	0			
5/24/2021	0.051		0.032		0.020	0.023	0.012	0.022	0.032	0	0	21	0	0	448	0	0	0	0	0	448	60	0	388	0	0	0	409.73	9.62	**23.5**
6/1/2021	0.059		0.040		0.027	0.028			0.041	0	0	4	0	0	396	0	0	0	0	0	396	97	0	299	0	0	0			
6/7/2021	0.046		0.030		0.026	0.026			0.017	0	0	0	0	3	376	0	0	0	0	0	379	0	3	376	0	0	0	378.86	9.85	**26.0**
6/14/2021	0.058		0.035		0.025	0.024			0.025	0	0	0	0	42	441	0	0	0	0	0	483	10	41	432	0	0	0			
6/21/2021	0.046		0.034		0.027	0.026	0.022	0.036	0.010	0	0	27	0	0	370	0	0	133	0	0	370	0	0	370	0	0	0	397.37	10.55	**26.5**
6/28/2021	0.054		0.032		0.020	0.019			0.006	0	0	36	0	0	600	0	0	129	0	0	600	0	0	600	0	0	0			
7/6/2021	0.060		0.024		0.018	0.018			0.006	0	0	88	0	0	624	0	0	258	0	0	624	0	0	624	0	0	0	712.55	13.36	**18.7**
7/12/2021	0.034		0.028		0.017	0.018			0.005	0	0	129	0	0	690	0	0	260	0	0	690	0	0	690	0	0	0			
7/19/2021	0.023		0.013		0.014	0.016	0.008	0.013	0.005	0	0	172	0	0	664	0	0	297	0	0	664	0	0	664	0	0	0	835.56	12.85	**15.4**
7/26/2021	0.028			0.014	0.014	0.015			0.005	0	0	0	508	0	643	0	0	331	0	0	643	0	0	643	0	0	0			
8/2/2021	0.021				0.013	0.015			0.007	0	0	0	244	0	753	0	0	385	0	0	753	0	0	753	0	0	0	752.91	11.29	**15.0**
8/9/2021	0.018			0.011	0.011	0.013			0.004	0	0	0	269	0	897	0	0	394	0	0	897	0	0	897	0	0	0			
8/16/2021	0.013	0.011	0.011	0.012	0.011	0.011	0.013	0.014	0.005	106	96	225	284	0	377	0	0	469	88	88	465	0	0	377	0	0	88	1175.76	12.90	**11.0**
8/23/2021	0.012	0.010	0.011	0.013	0.012	0.013			0.005	104	100	220	277	0	741	0	0	397	68	68	809	0	0	741	0	0	68			
8/30/2021	0.012	0.010	0.010	0.012	0.010	0.011			0.006	86	116	196	231	0	803	0	0	260	63	63	865	0	0	803	0	0	63	1493.88	16.12	**10.8**
9/7/2021	0.013	0.010	0.010		0.011	0.011			0.005	0	135	341	0	0	934	0	0	397	63	63	997	0	0	934	0	0	63			
9/13/2021	0.023	0.011	0.010		0.011	0.013			0.005	0	140	348	0	0	940	0	0	391	70	70	1010	0	0	940	0	0	70	1497.75	17.59	**11.7**
9/20/2021	0.031	0.012	0.008		0.010	0.010			0.005	0	183	442	0	0	807	0	0	389	68	68	874	0	0	807	0	0	68			
9/27/2021	0.020	0.012	0.008		0.010	0.010	0.008	0.010	0.006	0	214	489	0	0	1015	0	0	486	81	81	1096	0	0	1015	0	0	81	1799.00	17.12	**9.5**

Period	Total Flow[1]	12-Month Moving FWMC[2]	12-Month Moving Long-term Limit	Percent of Sampling Events Greater than 10 ppb	
	(kac-ft)	(ppb)	(ppb)	Observed (%)	Guideline (%)
October 2020 - September 2021	1,733.0	8.2	7.6	50.0	40.1

Blue shaded and **bolded** dates are the bi-weekly compliance sampling events and corresponding flow-weighted mean concentrations (FWMC).
Light green shaded cell indicates there was flow at the site on the sampling day.
Yellow shaded cell indicate that water quality sample was not taken at the site despite of the compliance sampling week because the gates were closed at the time of the visit.

J: TP data were qualified with J Code due to improper laboratory or field protocol.
G: Analyte was detected at or above the method detection limit in both the sample and the associated field blank, equipment blank, or trip blank, and the blank value was greater than 10% of the associated sample value.

Notes:
1. Total of all flow at S12s + S333 + S333N + S355A + S355B + minimum(S356, S335)
2. The bi-weekly sampling events and flow data are used to calculate flow-weighted mean concentrations.